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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2018-07-21-07** **Date: 23-07-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-07-2018
Sample ID No	:	2018-07-21-07/01
Type of Mix	:	GSB (Granular Sub Base)
Date of test	:	21-07-2018
Oven Dry Weight	:	10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	996	996	9.96	90.04	80-100
26.5	1686	2682	26.82	73.18	55-90
9.5	1292	3974	39.74	60.26	35-65
4.75	1490	5464	54.64	45.36	25-55
2.36	1950	7414	74.14	25.86	20-40
0.425	1500	8914	89.14	10.86	10-25
0.075	1086	10000	100.00	0.00	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	21.33%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

Note:-
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TEST RESULTS OF BITUMEN BINDER CONTENT AND GRADATION FOR DBM
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2018-08-16-03**	**Date: 17-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03	
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore	
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	16-08-2018	
Sample ID No	:	2018-08-16-03/01	
Type of Mix	:	DBM (Dense Bituminous Macadam)	
Date of test	:	16-08-2018	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	475	474
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.0	5.2
4	Average percentage	%	5.1	

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TEST RESULTS OF BITUMEN BINDAR CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-08-18-03**	**Date: 20-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03	
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore	
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	18-08-2018	
Sample ID No	:	2018-08-18-03/01	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	18-08-2018	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	470	471
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	6.00	5.80
4	Average percentage	%	5.9	

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	CP-2018-08-06-10	**Date: 11-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03	
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore	
Customer's Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	06-08-2018	
Sample ID No	:	2018-08-06-10 /01	
Sample Type /Size	:	100mm thick Precast Cover Slab	
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete	
Date of test	:	07/08/2018	

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.52	100.51	1.249	4478	98.1	21.9	20.4	25.5
2	Cover Slab-2	75.51	100.49	1.253	4477	99.7	22.3	20.7	25.9
3	Cover Slab-3	75.49	100.48	1.248	4475	97.8	21.9	20.3	25.4

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PHYSICAL REQUIREMENTS FOR COARSE AGGREGATE FOR BITUMINOUS CONCRETE

Lab ID	:	**CP-RW-2018-08-09-06** **Date: 13-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP,
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-08-2018
Sample ID No	:	2018-08-09-06/01
Type of Mix	:	BC (Bituminous Concrete)
Date of test	:	09-08-2018

Table 500-16 : Physical Requirements fo Coarse Aggregate for Bituminous Concrete

Property	Test	Result	Specification	Method of Test
Partical Shape	Flakiness Index	10.9	Combined Flakiness & Elongation Index for BC is Maximum 35%	IS:2386 Part I
	Elongation Index	10.0		
Strength	Aggregate Impact Value	19.9	Maximum 24%	IS:2386 Part IV
Specific gravity	Specific gravity	1.3	Maximum 2.7	IS:2386 Part III
Water Absorption	Water Absorption	0.9	Maximum 2%	IS:2386 Part III

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TEST REPORT OF AGGEGRATE STRIPPING VALUE OF ROAD AGGRGATE (IS:6241)

Lab ID	:	**CP-RW-2018-08-09-06** **Date: 13-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-08-2018
Sample ID No	:	2018-08-09-06/01
Type of Mix	:	BC(Bitumenous Concrete)
Date of test	:	09-08-2018

Type of Binder	:	60/70
% of Binder Used	:	5.0%
Weight of Aggregate	:	200.0 gm
Weight of Binder	:	10.0 gm
Temperature of water bath	:	40°C

No of test	Retained Stripping Percentage	Stripping Percentage	Average Retained Stripping Percentage	Secified limits as per MORTH specification table 500-8
1	98.6	1.4	98.2	Minimum Retained Coating 95%
2	99.4	0.6		
3	96.8	3.2		

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TESTS RESULTS ON STABILITY OF MIX

Lab ID	:	**CP-RW-2018-08-09-06** **Date: 13-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Hot Mix Plant, Bangalore
Sample Condition	:	Satisfactory
Date of Receipt	:	09-08-2018
Sample ID No	:	2018-08-09-06/01
Type of Mix	:	BC (Bituminous Concrete)
Date of test	:	09-08-2018

The results of the tests conducted on the Bituminous Concrete mix sample are as follow

SLNo	Particulars of observations	TEST 1	TEST 2	Secified limits as per MORTH specification table 500-11
1	Marshal Stability at 60°C, KN	13.31	14.69	10KN(min)
2	Marshal flow at 60°C, mm	4.33	3.36	2-4
3	Percent air Voids	5.95	5.35	3-5
4	Percent Voids in mineral Aggregate(VMA %)	15.98	15.43	13-15
5	Percent Voids filled with Bitumen(VFB %)	72.48	69.70	65-75
6	Density, g/cc	2.25	2.26	–

Note:-

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PHYSICAL REQUIREMENTS FOR COARSE AGGREGATE FOR DENSE BITUMINOUS MACADAM

Lab ID	:	**CP-RW-2018-08-02-08** **Date: 06-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-08-2018
Sample ID No	:	2018-08-02-08/01
Type of Mix	:	DBM (Dense Bituminous Macadam)
Date of test	:	02-08-2018

Table 500-6 : Physical Requirements fo Coarse Aggregate for Dense Bituminous Macadam

Property	Test	Result	Specification	Method of Test
Partical Shape	Flakiness Index	13.5	Combined Flakiness & Elongation Index for DBM is Maximum 35%	IS:2386 Part I
	Elongation Index	14.8		
Strength	Aggregate Impact Value	23.6	Maximum 30%	IS:2386 Part IV
Specific gravity	Specific gravity	2.2	Maximum 2.7	IS:2386 Part III
Water Absorption	Water Absorption	1.4	Maximum 2%	IS:2386 Part III

Note:-
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TESTS RESULTS ON STABILITY OF MIX

Lab ID	:	**CP-RW-2018-08-02-08**	**Date: 06-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03	
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore	
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18	
Source of Sample	:	Hot Mix Plant, Bangalore	
Sample Condition	:	Satisfactory	
Date of Receipt	:	02-08-2018	
Sample ID No	:	2018-08-02-08/01	
Type of Mix	:	DBM (Dense Bituminous Mecadam)	
Date of test	:	02-08-2018	

The results of the tests conducted on the Dense Bituminous Macadam mix sample are as follow

SLNo	Particulars of observations	TEST 1	TEST 2	Secified limits as per MORTH specification table 500-11
1	Marshal Stability at 60°C, KN	11.59	11.82	9KN(Min)
2	Marshal flow at 60°C, mm	3.56	3.87	2-4
3	Percent air Voids	4.52	4.17	3-5
4	Percent Voids in mineral Aggregate(VMA %)	14.54	14.76	13-15
5	Percent Voids filled with Bitumen(VFB %)	68.98	70.28	65-75
6	Density, g/cc	2.42	2.40	–

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TEST RESULTS OF GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2018-08-09-06** **Date: 10-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-08-2018
Sample ID No	:	2018-08-09-06/01
Type of Mix	:	BC-Plant (Bituminous Concrete)
Date of test	:	09-08-2018
Oven Dry Weight	:	5000 Grams

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-17(grading-2)
19	0	0	0.0	100.0	100
13.2	100	100	2.0	98.0	90-100
9.5	1100	1200	24.0	76.0	70-88
4.75	900	2100	42.0	58.0	53-71
2.36	100	2200	44.0	56.0	42-58
1.18	450	2650	53.0	47.0	34-48
0.6	450	3100	62.0	38.0	26-38
0.3	600	3700	74.0	26.0	18-28
0.15	700	4400	88.0	12.0	12-20
0.075	300	4700	94.0	6.0	4-10
PAN	300	5000	100	0.0	0

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TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2018-07-24-14** **Date: 26-07-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-07-2018
Sample ID No	:	2018-07-24-14/02
Type of Mix	:	WMM (Wet Mix Macadam)
Date of test	:	24-07-2018
Oven Dry Weight	:	10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	300	300	3.0	97.0	95-100
22.4	3300	3600	36.0	64.0	60-80
11.2	1800	5400	54.0	46.0	40-60
4.75	1500	6900	69.0	31.0	25-40
2.36	200	7100	71.0	29.0	15-30
0.6	1500	8600	86.0	14.0	8-22
0.075	1100	9700	97.0	3.0	0-5

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2018-07-25-12**	**Date: 28-07-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.	
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03	
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore	
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	25-07-2018	
Sample ID No	:	2018-07-25-12/03	
Type of Mix	:	WMM (Wet Mix Macadam)	
Date of test	:	25-07-2018	
Oven Dry Weight	:	10000	Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	200	200	2.0	98.0	95-100
22.4	2000	2200	22.0	78.0	60-80
11.2	2600	4800	48.0	52.0	40-60
4.75	1900	6700	67.0	33.0	25-40
2.36	800	7500	75.0	25.0	15-30
0.6	600	8100	81.0	19.0	8-22
0.075	1700	9800	98.0	2.0	0-5

Note:-

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT ON BITUMEN

Lab ID	:	**CP-2018-07-30-12** **Date: 31-07-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	30-07-2018
Sample ID No	:	2018-07-30-12/01
Sample Type	:	Bitumen
Reference to BIS codes	:	IS: 1201-1220(1978) (Reaffirmed-2004)
Date of test	:	30-07-2018

Test Results

Sl.no	Name of Test	Result	Requirements as per IS:73-2013
1	Penetration at 25°C , in 1/10th mm	65	60 to 70
2	Softening Point, °C	47	Min. 40°C
3	Ductility, cm	95	Min. 75cm
4	Flash point, °C	225	Min. 220°C
	Fire point, °C	245	

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TEST RESULTS OF GRADATION FOR DBM
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2018-08-02-08** **Date: 04-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-08-2018
Sample ID No	:	2018-08-02-08/01
Type of Mix	:	DBM-Plant (Dense Bituminous Macadam)
Date of test	:	02-08-2018
Weight of Sample	:	5000 Grams

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH specification Table 500-10 (grading -2)
37.5	0	0	0	100	100
26.5	172	172	3.44	96.56	90-100
19	1013	1185	23.70	76.30	71-95
13.2	520	1705	34.10	65.90	56-80
4.75	1150	2855	57.10	42.90	38-54
2.36	680	3535	70.70	29.30	28-42
0.3	950	4485	89.70	10.30	7-21
0.075	272	4757	95.14	4.86	2-8
PAN	243	5000	0.00	0	0

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DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2018-07-23-14** **Date: 25-07-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-07-2018
Sample ID No	:	2018-07-23-14/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	23-07-2018

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	15.4%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	17.6%	
Combined Flakiness and Elongation Index for WMM	33.1%	

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TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2018-07-23-14** **Date: 25-07-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-07-2018
Sample ID No	:	2018-07-23-14/01
Type of Mix	:	WMM (Wet Mix Macadam)
Date of test	:	23-07-2018
Oven Dry Weight	:	10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	300	300	3.0	97.0	95-100
22.4	3300	3600	36.0	64.0	60-80
11.2	2000	5600	56.0	44.0	40-60
4.75	1500	7100	71.0	29.0	25-40
2.36	700	7800	78.0	22.0	15-30
0.6	100	7900	79.0	21.0	8-22
0.075	1800	9700	97.0	3.0	0-5

Note:-

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TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Lab ID	:	**CP-RW-2018-07-23-14** **Date: 25-07-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub division, BBMP, Bangalore.
Project Name	:	Improvements and asphalting to balance roads at Escort layout and Santhoshnagara in ward No.03
Agency	:	Sri.H.S.Palakshamurthy, No:1, 2nd main, BDA layout, Pattegara Palya, Prashanthnagara, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-18/W.O/000135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-07-2018
Sample ID No	:	2018-07-23-14/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	23-07-2018

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	303.0	303.0
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	71.0	76.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	231.7	226.5
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.3	0.5
5	Aggregate impact value	(B/A)*100	23.4	25.1
6	Aggregate impact value (Mean of two tests)	Pecentage	24.3	

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